(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 8 April 2004 (08.04.2004)

PCT

(10) International Publication Number WO 2004/030115 A1

(51) International Patent Classification⁷: H05B 33/04

H01L 51/20,

[GB/GB]; Flat 2f2, 92 Montpelier Park, Edinburgh EH10 4NG (GB).

(21) International Application Number:

PCT/GB2003/004247

4247 `

(22) International Filing Date:

30 September 2003 (30.09.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0222649.6

30 September 2002 (30.09.2002) GE

(71) Applicant (for all designated States except US): MI-CROEMISSIVE DISPLAYS LIMITED [GB/GB]; Scottish Microelectronics Centre, The King's Buildings, West Mains Road, Edinburgh EH9 3JF (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BUCKLEY, Alastair

(74) Agent: HANSON, William, Bennett; JY & GW Johnson, Kingsbourne House, 229-231 High Holborn, London WC1V 7DP (GB).

(81) Designated States (national): JP, US.

(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

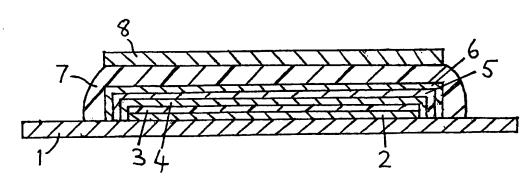
Published:

with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PASSIVATION LAYER



(57) Abstract: An organic light emitting diode device comprises a substrate (1), a layer (3) of organic, preferably polymeric, light emitting material, and a transparent cathode (4) comprising a layer of material with a work function less than 4 eV. The device has a passivation layer (5) comprising boron oxide.